

ABSTRACT OF THE DISCLOSURE

Systems and methods of performing nanopore data analysis are provided. A representative system includes a nanopore system. The nanopore data analysis system includes a nanopore device and a nanopore data analysis system. The nanopore device includes a structure having an aperture therethrough. The nanopore data analysis system is operative to: generate nanopore data points corresponding to each target polymer and each non-target polymer traversing the aperture of the nanopore structure; form a distribution pattern of the data points; and analyze the distribution of target polymer data points in the distribution pattern.